SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8

R:29-6-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249366

Serial No. 2nd and final Bill BRNO:104/29.6.15

Name of Work SBR no - 91/15-16 From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work D.O. Recordy : 15-06-2015

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work : Improvement to Road at UBS Apartment road in Ward no. 05 (Change of Work : Imp to Road from Metalled to Homotype layer to Granular Layer with Road in Ward nos of Hydrabad & Sub-Divn						
	NIT no. :	005-11-000055					
	Estimated Cost :	R. 9.50 Lakh					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order no : EE/BTP/BTSmp/T-pmt/08/(6723) WO/17/2014-15 Dt. 15-04-2015						
	Name of Agency :- M/s Shantha Kumari						
	(1) Earthwork Excavation by manual means in ordy soil involving an average lift upto 2m & an average lift upto 0.50m, excavated surface levelled and sides neatly dressed, the disposal earth to be levelled neatly after breaking clods						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	ck Complete an Engineer-in-C
	2) Accordyng Ex thicle along up deartred Interals Wi

ASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
sp) Bsmp)T-pmt 08)(6723)						
7)2014-15 Dt. 15-04-2015						
mt Shantha Kumari						
ng by manual means in ordry						
ye horizontal throws upto 2m						
upto 0.50m, Excavated surface						
neatly dressed, the disposed						
d neatly after breaking clods						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 249367
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ck Complete as per Engineer-in-charge of Work.	Specifications and directions of					
		Orig mde this MB. p 249395					
		It no- ①			312.00 m³ @ 104.78/-	32691.36	
21	Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface preg up dearbred materials and stacking old serviceable materials with lead upto 100m lead including spreading						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of the salvaged aggregate with fresh aggregate on prepared base and consolidating as per Water bound macadam specifications including costly all labour, Hire charges, etc complete as per specifications and direction of Engrs in-charge of the work.						
	Qty vide this MBP 24/397					8534.00	
	" No. (2) 104 Dated 22.11.12						
37	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	mix plant Co site, laying in base course a with vibratory etc complete a Engineer-in-

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
ts with fresh aggregate as prepared as per Water bound macadam costing all labour, Hire charges, Watering and dressing of Existing					
Qty vide this MBp 249397				85394.00	
H no. (2) 1040 x 2 x 82.1 1/2					
dy and compacting graded stone macadam Specification in duly and Watering at one in Mechanical					

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249368

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Mix plant Carriage of mixed material by tipper lorry site, laying in uniform layers with pavers in sub-base base course on Well prepared surface and Compacting with vibratory roller to achieve the desired density etc complete as per Specifications and directions of Engineer-in-charge of the work.						
	Qty vide this MBp 249398						
	H (3) - 1954					277713.00	
						1424.17/m²	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4)	Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small pickes, sweeping with brooms of soft brushes and finally dusting with old gunny bags and or compressed air to recive bituminous treatments including cost of all materials, labour, hiring machineries, cugets complete as per specification and directions of Engineer-in-charge of the work.						
a)		1	4.m	$\frac{8.0+7).0}{2}$	-	52.85 sq.m	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	(b) Interior - Road	

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
Bm road surface including removing other foreign matter with wire s, sweeping with brooms of soft ushy with old gunny bags and recent bituminous treatment materials, labour, tools, machin ance specification and directions the work.					
1	4.00	$\frac{8.07+0.00}{2}$	-	52.85 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 249369
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	$\frac{7.10+6.60}{2}$		205.50 m²	
		1	30.00	$\frac{6.60+6.60}{2}$		198.00	
		1	30.00	$\frac{6.60+6.65}{2}$		198.75	
		1	19.00	$\frac{6.65+6.60}{2}$		125.29	
	(b) Internal Road	1	30.00	$\frac{4.8+4.5}{2}$		138.00	
		1	30.00	$\frac{4.4+4.6}{2}$		138.00	
		1	30.00	$\frac{4.8+4.5}{2}$		145.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	20.00	$\frac{4.90+5.10}{2}$		107.00	
					Total	1308.89 m^3	
				Ltd	to.	1340.00	
					@	12.08/m^3	15704.00
5)	Providing and applying primer coat for surface of medium porosity like cement stabilized road base @ 1.10 kg/m^2 over prepared surface with S-S bitumen Emulsion using bitumen tankers filled with spray set including cost of all materials, labour, tools & machinery complete						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	as per specification
6)	Providing and laying 25mm thick with premixed aggregate crushed aggregates of with bitumen binder

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
lumber 3	Length 4	Breadth 5	Depth 6	7	8
1	20.00	4.90+5.10 / 2		101.00	
			Total	1308.89 m³	
		Ltd	to.	1300.40 m²	
			@	12.08/m³	15704.00
...ment coat for surface of					
...cement stabilized road					
...prepared surface with					
...using bitumen tankers					
...including cost of all					
...of machinery complete					

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249370

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	as per specifications. mentd Chapter 5.						
	Qty as per M no. (4) = 1300.40 m² @ 73.77/m²						95901- 9590.00
6)	Providg and laying semi. dense bitumenous concrete 25mm thicke with 100-120 TPH batch type Hmp producg an avarage output of 75 t per hr using crushed aggregats of specified grades, premixed with bitumenous binders at 4.5 to 5% by weight						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	filler, transporting the hot mix to Work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment. Rolling and smooth wheeled, Vibratory and tandem Roller to achieve the desired Compaction as per MORTH specification clause no. 509.8 Complete in all respects as per specifics with Rs/lm grade bitumen, etc complete as per Specifications and directions of Engineer-in-charge of the work.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	9) Fin. EMCS (4 on 1st CROSS to SLAB (0.00 to 109.50m) Interim - Run 1 (0.00 to 110.00)

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
nber 3	Length 4	Breadth 5	Depth 6	7	8

...ed to Work site, laying with a ...er with sensor control to fix ...d alignment. Rolling and smooth ...tandem Roller to achieve the ...per lines specification clear ... all respects as per specifications ...thereon, etc complete as per ...rection of Engineer-in-charge

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To.....249371
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	a) Fin. 2 Lyrs CC (grade) to 1st CROss to SLBD (0.00 to 109.50m)	1	7.40	$\frac{8.00+7.10}{2}$	0.025	= 1.32	C&FC for 28/6
		1	30.00	$\frac{7.10+6.60}{2}$	0.025	5.14	
		1	30.00	$\frac{6.60+6.60}{2}$	0.025	4.95	
		1	30.00	$\frac{6.60+6.60}{2}$	0.025	4.97	
		1	19.50	$\frac{6.65+6.20}{2}$	0.025	= 3.23	
	b) Interior Roads (0.00 to 110.00)	1	30.00	$\frac{4.80+4.40}{2}$	0.025	3.45	
		1	30.00	$\frac{4.40+4.40}{2}$	0.025	3.45	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{4.87+4.9}{2}$ 0.025 = 3.64			
		1	20.00	$\frac{4.93+5.8}{2}$ 0.025 = 2.68			
					Total	32.72 sqm	
					Say to.	32.50 sqm	
						@ 10959.30/-	
7)	Lead for disposal of debris shall be payable at complete rates by mechanical means including loading and unloading etc complete as per specification and directions of Engineer-in-charge of the work.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of wor
1	2
	Certificate
	(1) Certified
	Satisfact
	(2) The cont
	Site

Work done d
History p.no

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
1	30.00	4.8+4.9/2	0.025 = 3.64		
1	20.00	4.9+5.8/2	0.025 = 2.68		
			Total	32.72 m³	
			Ltd to.	32.50 m³	3561774
				@ 109.59	30/4

C&FC
Hmw 29/6

debris shall be payable
mechanical means including
complete as per specifications
supervision in charge of the work.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249372

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C-Ste Survey 26/06	Qty as per					
		Ltd No. ①				312.00 m³	
		Ltd No. 2				49.604 m³	17966.00
						@71.98	
						Total B.	8,81,546.00
	Certificate						
	① Certified that the contractor has work done satisfactorily,						
	② The contractor has removed the debris from Site.						
	Work done details entered in Road History p.no. 25						

Survey 26/06

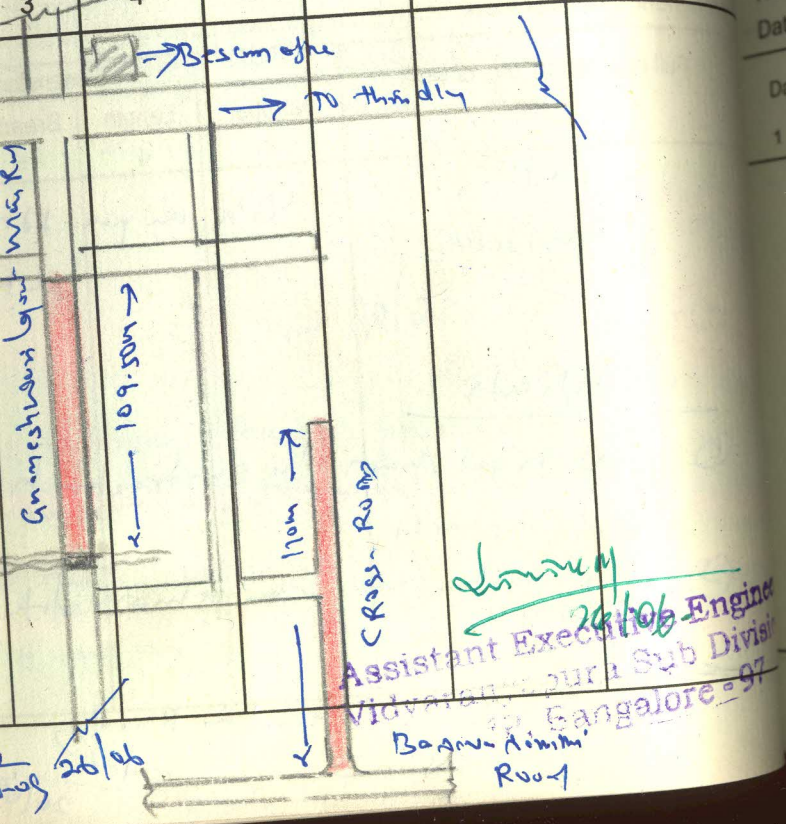
Assistant Executive Engineer
Visakhapatnam Urban Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	VIDYARANYAPURA MAIN ROAD						
	Post office Circle						
			→ Besom office				
				→ To Thindlu			
		Ganeshkhani Layout Nursery					
			109.50m →				
	SWD →			10m			
					CROSS ROAD		

UREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8



Assistant Executive Engineer
Vidyaranyapura Sub Division
Bangalore-97

Bangalore Nimhans Road

BRNo: 104 / 29.6.15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 249373

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						Total Rs	881546-00
		881546-00				JT -	8815-00
		66997-00				VAT -	35262-00
						CEL -	8815-00
		814550-00				CBF -	882-00
						LR -	13223-00
						Adj:	66997-00
						Chq	814550-00

29/11